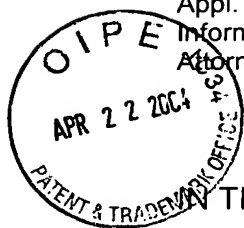


Appl. No. 10/717,281
Information Disclosure Statement dated 04-20-2004
Attorney Docket No. 1217-032245



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/717,281 Confirmation No. 7413
Applicant : Teruhiko NAWATA et al.
Filed : November 19, 2003
Title : "As-Grown Single Crystal Of Alkaline
Earth Metal Fluoride"
Group Art Unit : 1765
Examiner : Not yet assigned
Customer No. : 28289

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTED BEFORE MAILING OF FIRST OFFICE ACTION

Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby submit this Information Disclosure Statement together with a completed Form PTO/SB/08A and a copy of each reference cited.

The Czochralski method is cited on page 3 of the specification and again on page 4, bridging page 5. The Tozawa et al. report "Modification of Optical Material..." is mentioned on page 4 of the specification. Japanese Publication 21197 is cited on page 5 of the specification.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231 on April 20, 2004.

Mary Jo Sinicrope
(Name of Person Mailing Document)

Mary Jo Sinicrope
Signature

04/20/2004
Date

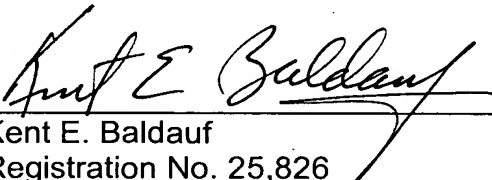
Prior art references cited in the International Search Report in a corresponding European application are also cited herein. The relevance of these references is set forth in the International Search Report. A copy of the International Search Report is enclosed for the Examiner's convenience.

No fee is believed to be due for the filing of this Information Disclosure Statement as it is being submitted before a first Office Action on the merits. Nevertheless, the Commissioner for Patents is hereby authorized to charge any additional fees which may be required to Deposit Account No. 23-0650. The original and two copies of this Information Disclosure Statement are enclosed.

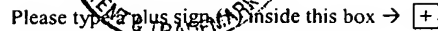
Respectfully submitted,

WEBB ZIESENHEIM LOGSDON
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By



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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/717,281
				Filing Date	November 19, 2004
				First Named Inventor	Teruhiko NAWATA et al.
				Group Art Unit	1765
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	1217/032245
Sheet	2	of	2		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		K. NASSAU, "Application of the Czochralski Method to Divalent Metal Fluorides", Journal of Applied Physics, Vol. 32, No. 10, (1961), pp. 1820-1821, Bell Telephone Laboratories, Inc., Murray Hill, New Jersey, U.S.A.	
		SHINICHIRO TOZAWA, ET AL., "Modification of Optical Material CaF ₂ ", report of technical research by Institute for Material Research of Tohoku University, No. 19 (2001) Japan, (partial English translation attached)	
		J. M. KO, ET AL., "Czochralski growth of UV-grade CaF ₂ single crystals using ZnF ₂ additive as scavenger", Journal of Crystal Growth 222 (2001), pp. 243-248, N•H Elsevier, Japan	

Examiner Signature		Date Considered	
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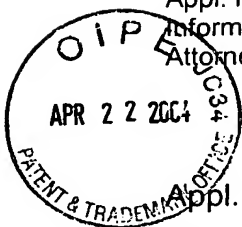
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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{W0117203.1}

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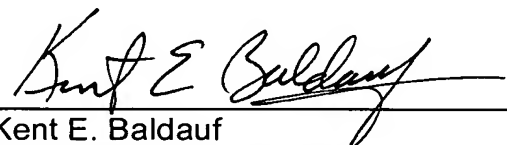
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CERTIFICATION UNDER 37 C.F.R. §1.97(e)(1)

Sir:

I, the undersigned, hereby certify that each item of information cited in the accompanying Information Disclosure Statement was first cited in a communication mailed 12 March 2004 from the European Patent Office in a counterpart European application not more than three months prior to the filing of the accompanying Information Disclosure Statement.

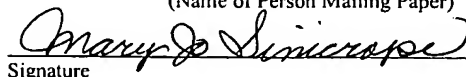
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Mary Jo Sinicrope

(Name of Person Mailing Paper)


Signature

04/20/2004
Date